Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/19/2018 11:00 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126355	1	1.38	126207	1.39
Blue	F	SSC	125000	124914	-1	3.35	125241	3.29
Blue	E	FITC	23615	22848	-4	2.47	1023	10.22
Blue	D	PE	26739	26439	-2	2.08	952	9.94
Blue	B	PerCP-Cy5-5	48339	47172	-3	3.63	1354	17.04
Blue	A	PE-Cy7	45021	44779	-1	5.31	690	36.28
Red	C	APC	53064	52399	-2	2.69	2999	9.34
Red	A	APC-Cy7	57175	56798	-1	2.74	1188	11.14
Violet	B	V450	14728	14216	-4	4.91	678	9.76
Violet	A	V500	58621	58041	-1	4.71	2567	7.06

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19392	2.01	610	-4	N/A	N/A	Pass
Blue	F	SSC	61899	1.51	554	8	N/A	N/A	Pass
Blue	E	FITC	111	38.83	545	-3	0.0207	111	Pass
Blue	D	PE	206	29.65	537	1	0.1554	240	Pass
Blue	B	PerCP-Cy5-5	208	45.33	634	-1	0.0100	83	Pass
Blue	A	PE-Cy7	73	124.00	693	0	0.0114	15	Pass
Red	C	APC	344	28.45	597	0	0.0212	126	Pass
Red	A	APC-Cy7	129	41.04	579	-1	0.0056	1862	Pass
Violet	B	V450	83	43.10	460	-10	0.0413	1792	Pass
Violet	A	V500	187	22.28	488	-9	0.0140	205	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.19	-31.73	0.97
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.33
Red	18.52	14.40 - 21.60	N/A	N/A	31.29	31.71	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9744

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments